MISSOURI DEPARTMENT OF NATURAL RESOURCES

Total Maximum Daily Load Information Sheet

Salt River

Water Body ID (WBID): 0091 and 0103

Water Body Segment at a Glance:


State Map Showing Location of Watershed

County: Ralls and Pike
Nearby Cities: Hannibal
Length: 29 miles (WBID 0091)
9.3 miles (WBID 0103)
Pollutant: Low Dissolved Oxygen
Source: Cannon and Reregulation Dam

Note: See also the Mercury Information Sheet

Schedule for TMDL development:
TMDL development schedules are subject to change.
The most current schedule for TMDL development is available on the department's website at dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm

Description of the Problem

A water body is considered impaired when it fails to meet applicable water quality standards. Water quality standards consist of designated uses, water quality criteria, an antidegradation policy and implementation procedures. Salt River is impaired due to exceedances of state water quality criteria that protect aquatic life.

Designated uses of Salt River*

- Warm Water Habitat (WWH)
- Whole Body Contact Recreation Category B (WBC-A)
- Secondary Contact Recreation (SCR)
- Human Health Protection (HHP)
- Irrigation (IRR)
- Livestock and Wildlife Protection (LWP)
- Drinking Water Supply (DWS)

*In addition to these specific uses, all waters of the state are protected by the general water quality criteria that are specified in the state's Water Quality Standards at 10 CSR 20-7.031(4).

Designated use that is impaired

- Protection of Warm Water Aquatic Life

Criteria that apply

- In the Missouri Water Quality Standards at 10 CSR 20-7.031 Table A, the criterion for dissolved oxygen for warm water fisheries is a minimum of 5 milligrams per liter (mg/L).

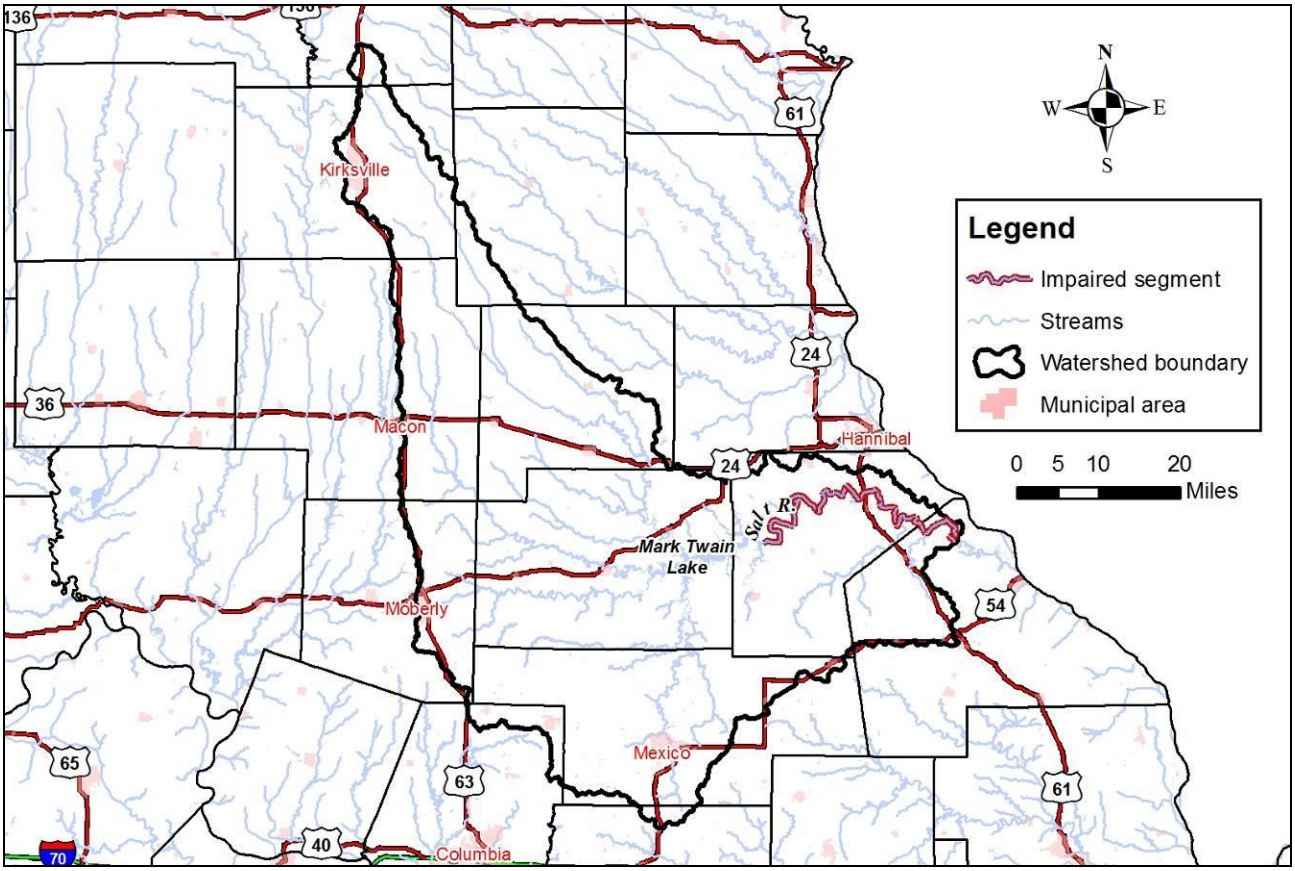
Assessment and water quality data

The department judges a stream to be impaired due to low dissolved oxygen if more than 10 percent of measurements fail to meet the water quality criterion. For WBID 91 of the Salt River, of 340 dissolved oxygen measurements, 125, or 37 percent, fell below the 5 mg/L criterion.

TMDL for Salt River

The Salt River TMDL will calculate the maximum amount of each listed pollutant that the stream can receive and still meet water quality standards. The TMDL will also identify all potential or suspected pollutant sources in the watershed and distribute the allowable pollutant loads among those various sources. When developed, the Salt River TMDL will use the most current and available data. For this reason, the final TMDL may present information that differs from that contained in this information sheet.

Map of the Salt River Watershed



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